

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)					Page 1 of 1		
					June 2002		
TO: Director, Volusia County Port Authority Daytona Beach, FL				FROM USACE, District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida			
RIVER/HARBOR NAME AND STATE Ponce De Leon Inlet, Volusia Co., FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			

Entance Channel: from seaward entrance west to green Can Buoy-5	Jun-2002	200	0.5	15	14.6	16.8	17.7
Entance Channel through jetties: from green Can Buoy-5 to Buoy's 7 & 8	Jun-2002	200	0.7	12*	12.5* (1)	12.8* (1)	16.7* (1)
Inner Channel: from Buoy's 7 & 8 to a point 0.4 miles southwest	Jun-2002	200	0.4	7*	6.4* (2)	6.2* (2)	6.0* (2)
from a point 0.4 miles southwest of Buoy's 7 & 8 to the intersection of Cut-4N	Jun-2002	100	0.3	7*	8.1*	8.2*	7.0*
Inner Channel: Cut-4N	Jun-2002	100	0.3	7	9.7	9.3	9.0
North Channel: from Cut-7N north to Cut-13N at the junction of the Intracoastal Waterway	Jun-2002	100	1.7	7	10.1	10.1	9.8
South Channel: from Buoy's 7 & 8 southerly to green lighted Buoy-9	Jun-2002	200	0.5	12*	6.7* (3)	7.5* (3)	9.3* (3)
from green lighted Buoy-9 south to the intersection of Cut-1S (1,400 feet south of red Daybeacon-10)	Jun-2002	100	0.3	12*	14.8*	11.8*	10.4*
Cut-IS, from 1,400 feet south of red Daybeacon-10 to junction of Intracoastal Waterway	Jun-2002	100	0.6	12	15.3	14.4	13.8

Remarks:

* This report is based on the existing channels as presently marked by the U.S. Coast Guard. These are natural channels located outside the Federal channel limits in most areas, which may provide adequate navigation on the inlet.

1. Deepest water throughout this reach occurs north of Federal channel near north jetty. Spot shoaling located approximately 300 feet west of green Can Buoy-5.
2. Shallow water (less than 7 feet MLLW) occurs approximately 1,650 feet southwest of Buoy's 7 & 8.
3. Shallow water trhoughout this entire reach with least depths occuring to the north of reach.
4. Shoaling in vicinity of red Daybeacon-10.